NEMS VERSION DESCRIPTION DOCUMENT
Release Version 3.8

National Aeronautics and
Space Administration

Headquarters
Washington, D.C.

NEMS VERSION DESCRIPTION DOCUMENT
Release Version 3.8

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1.0   INTRODUCTION

1.1   IDENTIFICATION

This software release is identified as the NASA Equipment Management System (NEMS), Release Version 3.8.

The release has an effective date of July 31, 1996 and is scheduled for implementation in production at the NASA Installations by September 27, 1996.

1.2   PURPOSE OF THE RELEASE

This release version is necessary to have ten enhancements and seven software corrections to fix noted Discrepancy Reports for NEMS put into production use at all Installations. The enhancements and software corrections were selected for development by the NEMS Engineering Review Board and include two Change Control Requests (CCRs) which are considered as major enhancements and one as a minor enhancement to the NEMS Property Custodian Module (NEMSPCM).

This release is also designed to ensure that all Installations are operating at the same release level, and thus includes all "fix" modifications and point releases issued since the last release (Release Version 3.7.1).

Sections 2.0 and 3.0 describe these changes.

1.3   SCOPE OF THE RELEASE

This release includes changes to NEMS, NEMSINV and NEMSPCM software. The software modifications required for operation of the NEMSPCM are relatively complex and modifications to NEMS and NEMSINV are minor changes. All functional changes will be described in section 2.0.

This release provides the functional and technical users of NEMS with information regarding changes to the contents and status of NEMS Release Version 3.8 including the following:

a.   descriptions of changes implemented since the last release;

b.   detailed software installation procedures; and

c.   validation procedures to ensure the reliability of the changes.

No waivers are associated with this release.

1.4   CONTACT POINTS

Questions regarding the functional and/or technical aspects as well as the Installation of this release should be directed to the:

NEMS Help Desk
Telephone: (202) - 358 - HELP (4357)
FAX: (202) - 358 - 3007

2.0   FUNCTIONAL INFORMATION

2.1   FUNCTIONAL CHANGE

The purpose of NEMS Release Version 3.8 is to incorporate ten enhancements and seven software corrections to fix noted discrepancies for NEMS. The enhancements are as follows:

 NEMS Change Control Request (CCR)   Submitted By

LA0058   PCM - Elimination of Manager Signatures   LaRC
             and Verification Updates
KE0028   PCM - Managers Approval on C29   KSC
             C29 (Location) and C31 (User Change)
LA0079   PCM - Clarification of Transactions Signoff   LaRC
GA0045   INV - Inventory Sub-Accounts Problem   GSFC
JJ0073   NEMS - Restrict Repair Return Txns   JSC
KL0028   INV - Expand Capability for Inventory Txn I19   KSC
M00070   NEMS - Txn 46 Process   MSFC
EA0015   NEMS - Can not Change FSC   LeRC
KL0034   NEMS - Warning for Items in Out-Code Status   KSC
NIE102   NEMS - NEMS Warranty Date Edits   HQ

In addition, this release version ensures that all Installations are operating at the same release level, and thus includes all "fix" modifications and point releases issued since the last release version (3.7.1). These changes do not involve functional changes to NEMS.

2.1.1 Enhancements

a. **Enhancement**: CCR LA0058 - PCM - Elimination of Manager Signatures
                       and Verification Updates.

Managers are not required to sign anything prior to processing a transaction in NEMS. This should also be true in the PCM. The entry of a password (signature) by a manager to approve each transaction is very cumbersome. There may be days when there are as many as one hundred transactions to approve. Under the PCM, the manager is only carrying out the request of the custodian. The custodians are the ones who are to be held accountable for the property by signing, not the managers.

Action: As results of previous releases of NEMS, the NEMSPCM manager's approval process has changed as described in the statement above. A previous release added the ability to display the values of the equipment file with the new proposed values in the NEMSPCM pending file to a manager before the approval process. The release of CCR LA0058 does not change any of the current processing procedures of the manager but,

offers an additional option. This option allows the manager to process multiple records by entering only one signature/password. The manager can enter 'U' on the TRANSACTION REQUIRING MANAGER APPROVAL screen that will allow the processing of multiple records.

b. Enhancement: CCR KE0028 - PCM - Managers Approval on
C29 (Location) and C31 (User Change).

The manager and the custodian must approve a C29 (Location Change) change and C31 (User Change) change. These changes do not need the Manager's approval.

Action: This was corrected by modifying NEMSPCM transaction C29 and C31 to process as always but, in addition, it calls the NEMSPCM update program to apply the changes to the NEMS equipment record. This process is performed by entering only one signature. That signature is the custodian or manager who is performing the C29 or C31 transaction. Also, authorization level '3' was added to table 621 for TRANSACTION REQUIRES CUSTODIAN APPROVAL ONLY.

c. Enhancement: CCR LA0079 - PCM - Clarification of Transactions Signoff.

On the Electronic Signatures/Signoff on the Transactions Menu, the transactions should be grouped by those requiring the custodian's attention and those awaiting actions by others.

Action: Changed 'Signoff on Transactions Awaiting Account XXXXX Acceptance' (or Manager Approval as applicable). Added the capability to show 'Transactions Which Have Been Rejected' so that the custodian can go directly to take action on things which require their attention. Then changed the 'Pending Transactions in Custodian Account XXXXX' to 'Transactions Awaiting Other Approvals/Acceptance' and let it reflect only those transactions in the custodian's account requiring approval by someone else.

d. Enhancement: CCR GA0045 - INV - Inventory Sub-Accounts Problem.

When sub-accounts are selected during an inventory, there is no mechanism for checking which ECN's belonging to the sub-accounts were scanned.

Action: NEMS Inventory report, RPT755P1, program was created. It produces a list of equipment held for Sub-Accounts. This report is similar to Report 754, Items Held for Center-wide Accounts.

e. Enhancement: CCR JJ0073 - NEMS - Restrict Repair Return Txns.

NEMS transaction 56, 'REPAIR UPDATE', can be processed on an ECN which was in OUT status on a NEMS transaction 38, 'BORROWED OUT'. Repair service information is

added to the record but does not remove OUT status information. NEMS transaction 39, 'BORROWED OUT - RETURNED', must be processed to clear the record.

Action: This change does not allow a NEMS transaction 56, 'REPAIR UPDATE', on a record that is in OUT status. This change was also applied to NEMSPCM transaction C57.

f. Enhancement: CCR KL0028 - INV - Expand Capability for Inventory Txn I19.

To reinstate a previously lost item, Transaction I19 requires the item to be added to the data base under the custodian account it was scanned. If the item is to be added to another account the overage must be cleared with Transaction I34 then added with Transaction 19. CCR KL0028 prevents going through the additional steps.

Action: Modify programs TRNI19P1 and TRNIADP1 to allow recovery of items to any Custodian Account or Location while clearing overage discrepancies on inventoried account.

g. Enhancement: CCR M00070 - NEMS - Txn 46 Process.

NEMS transaction 46 allows a capital sensitive code to be changed from 'X' to 'M' when the record is a leased item.

Action: NEMS transaction 46 was modified to only allow the National Stock Number to be changed if the equipment has an equipment code 'E'.

h. Enhancement: CCR EA0015 - NEMS - Can not Change Federal Supply Code (FSC).

A NEMS transaction 60 where the item name change is allowed, does not allow changing of the Federal Supply Code (FSC). When most item name changes are performed, the FSC must also be changed; therefore, two transactions are required. By adding the name change to the transaction 46, the item name and FSC can be changed with one transaction.

Action: Added the item name change to the NEMS transaction 46 to allow the item name and FSC to be changed with one transaction.

I. Enhancement: CCR KL0034 - NEMS - Warning for Items in Out-Code Status.

Several items in a borrow-out status were placed in an out-for-repair status without first returning them from the borrow-out status. As a result, the record has a 'R' in the out-status and would not allow recovery of the items from borrow-out status nor could the borrow-out-date be changed or deleted.

Action: Modifications were made to prevent equipment from being deleted from the Equipment file if it is still in an out code status.

J. Enhancement: CCR NIE102 - NEMS - NEMS Warranty Date Edits.

Relax the date fields, Date-Wrnty-Exp-Labor and Date-Wrnty-Exp-Material, edits to expand into the next century.

Action: Modified NEMS, NEMS Inventory, and NEMS Property Custodian programs to lift off edit(s) for DATE-WRNTY-EXP-LABOR and DATE-WRNTY-EXP-MATERIAL fields to allow these field to be processed even though the date(s) is less than or greater than the date of Installation Acquired.

2.1.2 Discrepancy Reports

a. Discrepancy Report: CCR 123 (CI055) - Natural Error 3001.

NEMSPCM program, TBL090H1, produces Natural Error Message, 'NAT3001 ISN LIST NOT SORTED - ERROR IN NO. OF ISN/RECORDS FOUND' when the user number tables exceeds 3200 users. This test case may not apply to your local site but, is required.

Action: Modifications were made to correct the displaying of Natural Error message 3001 when the user requires quick access to the Custodian Account and User Number Tables if the number of table entries exceeds 3200.

b. Discrepancy Report: CCR 125 (CI056) - Incorrect Output From NEMS
program Month to Date Extract Program.

NEMS program, MSD008P5 (Month to Date Extract Program), produces incorrect records for output work file 14.

Action : Modifications were made to corrects the output record format for Work File 14.

c. Discrepancy Report: CCR 126 (CI057) - Custodian Account Option Error.

When adding a new custodian to the NEMSPCM application with no multiple custodian accounts selected, the new custodian's NEMSPCM main screen displays an option for 'CHANGE CUSTODIAN ACCOUNT'. The NEMSPCM main screen should not display this option unless a custodian has multiple custodian accounts.

Action: Modifications were made to correct the displaying of the 'CHANGE CUSTODIAN ACCOUNT" option when a custodian does not have multiple custodian accounts.

d. Discrepancy Report: CCR 127 (CI058) - Password Not Found.

NEMS program, TBLC69P1, produces an error message for not finding the password on the NEMS-PCM-AUTH file referenced on a FIND and GET statement.

Action: Modifications were made to correct an error message received while cataloging program TBLC69P1.

e. Discrepancy Report: CCR 128 (CI059) - NEMS Transaction 04 Processing.

Equipment transferred to another Installation with a NEMS 65 transaction is added with a NEMS transaction 04 by retrieving the information from the NEMS-TRANSFER file. If the equipment is transferred by a NEMS Inventory I65 transaction and added by the receiving Center with a NEMS 04 transaction, a warning message is displayed.

Action: Modifications were made to allow NEMS transaction 65 and a NEMS Inventory transaction I65 to process in the same manner when added by a NEMS transaction 04. Modifications were also made to allow NEMS transaction 07 and 20 retrieval of data from the NEMS-TRANSFER file for inventory transactions I67 and I38 respectively.

f. Discrepancy Report: CCR 129 (CI060) - Entry Reference Number Missing
                                                       on Report.

The NEMS program creates a report listing equipment with a different location. If the Entry Reference Number date is before the Open Date of the inventory, the Entry Reference Number is not printed on the report. This is occurring because the code has become out-dated.

Action: Modifications were made to correct the date routine for the Entry Reference Number by determining the two digit year greater than 1995. The original routine could only do a 10 year period from 1986 through 1995.

g. Discrepancy Report: CCR 130 (CI061) - Zero Value for NASA-DATE-ACQ
                                                       (NASA Date Acquired).

A NEMS Inventory transaction I04 corrects an overage in the NEMS Inventory module for an ECN found during an inventory belonging to another Center. The ECN is added to NEMS by the I04 transaction and the DATE-NASA -ACQ is a mandatory input field. The DATE-INST-ACQ was not assigned a value.

Action: Modifications were made to correct transaction I04 by assigning the value of DATE-INST-ACQ to the DATE-NASA-ACQ.

2.2   FUNCTIONAL INTERFACES

There are no functional interfaces affected by NEMS Release Version 3.8.

2.3   CRITICAL ISSUES

There are no critical issues brought forward by NEMS Release Version 3.8.

2.4 AFFECTED DOCUMENTS

NEMS documents affected by this release version are:

a.   NEMS Documents

   1. NEMS Users Guide.

   2. NEMS Specification Book 1.

b.   NEMS Inventory Documents

   1. NEMS Inventory Users Guide.
   2. NEMS Inventory Operations Guide.
   3. NEMS Inventory Specification Book 1.

c.   NEMS Property Custodian Documents

   1. NEMS PCM User and Operations Guide.

   2. NEMS PCM Detail Design Specifications.

Modified pages for the documents have been distributed under separate cover. Modified pages are dated July 17, 1996, but are effective only upon installation and operational use of this release.

2.5 APPLICATION SYSTEM ADMINISTRATION

The following functions must be performed before operation of NEMS Release Version 3.8:

a.   Establishment of a NATURAL 2.2.6 environment for NEMS testing, as described in the installation instructions in Section 3.4.3.

b.   Test this release using the procedures described in Section 3.4.4 and the test cases described in NEMS Test Plan and Procedures, AIM-NEMS38-TPP-09, Appendix B. The test procedures are performed within a test environment using NATURAL 2.2.6.

3.0   **TECHNICAL INFORMATION**

3.1   **TECHNICAL SYSTEM INTERFACES**

NEMS Release Version 3.8 features no technical system interfaces.

3.2   **DATA DICTIONARY CHANGES**

No Data Dictionary changes are required for NEMS Release 3.8.

3.3   **SOFTWARE OBJECT CHANGES**

Listed below are the modules, with names, titles, and CCR numbers included in this release version:

NEMS (Library NEMS)

CCR #	Module	Module Title
N/A	NEMS	Welcome screen
N/A	MSD008P1	Daily Transaction Extract Program
125(CI056)	MSD008P5	Month To Date Extract Program
128(CI059)	TRN000P1	Equipment file (transaction) update menu
EA0015 M00070	TRN046P1	Change transaction 46 (capital sensitive and national stock number change)
JJ0073	TRN057P1	Change transaction 57 (Off-Site for Repair)
KL0034	TRN065P1	Delete transaction 65 (Transfer To Another NASA Installation)
KL0034	TRN066P1	Delete transaction 66 (Transfer To Other Government Agency)
KL0034	TRN067P1	Delete transaction 67 (Transfer Of GFE To A Contractor)
KL0034	TRN068P1	Delete transaction 68 (Transfer Of GFE By A Contractor)
KL0034	TRN069P1	Delete transaction 69 (Leased In-Returned)
KL0034	TRN070P1	Delete transaction 70 (Loan In-Returned)
KL0034	TRN073P1	Delete transaction 73 (Deletes Resulting From Assembly/Disassembly)
KL0034	TRN075P1	Delete transaction 75 (Borrow In-Returned)
NIE102	TRN001P1	Add Transaction 01 (Receipt By Purchase-NASA Funded)
NIE102	TRN002P1	Add Transaction 02 (Receipt By Purchase-OGA Funded)

NEMS (Library NEMS) Continued

CCR #	Module	Module Title
NIE102	TRN004P1	Add Transaction 04 (Receipt By Transfer-From NASA Installation)
NIE102	TRN005P1	Add Transaction 05 (Receipt By Transfer-From OGA)
NIE102	TRN006P1	Add Transaction 06 (Receipt By Transfer-From Contractor)
NIE102	TRN012P1	Add Transaction 12 (Receipt From Found On Station).
NIE102	TRN013P1	Add Transaction 13 (Receipt From Excess)
NIE102	TRN016P1	Add Transaction 16 (Receipt By Transfer From Real To Personal Property)
NIE102	TRN017P1	Add Transaction 17 (Receipt From Non-Government Source)
NIE102	TRN018P1	Add Transaction 18 (Receipt From Not Previously Meeting Criteria For Tagging)
NIE102	TRN060P3	Change transaction 60 (NASA Held Equipment Record Data Change)
NIE102	TRN062P5	Change field edit program
129 (CI060)	RPT762P1	Inventory Location Change Report (Inventory By Custodian Account)
129 (CI060)	RPT762P2	Inventory Location Change Report (Inventory By Location)
GA0045	RPT755P1	Items Held For Sub Accounts

INVENTORY (Library NEMSINV)

CCR #	Module	Module Title
N/A	INV	Welcome Screen
GA0045	PRM755P1	Items held for sub accounts report
130(CI061) NIE102	TRNI04P1	Add transaction I04 (Receipt By Transfer-From NASA Installation)
NIE102	TRNI06P1	Add transaction I06 (Receipt By Transfer-From Contractor)
NIE102	TRNI12P1	Add transaction I12 (Receipt From Found On Station)
NIE102	TRNI13P1	Add transaction I13 (Receipt From Excess)
KL0028	TRNI19P1	Add transaction I19 (Reinstating Items Previously Lost On Survey)
KL0028	TRNIADP1	Add transaction processor

PCM (Library NEMSPCM)

CCR #	Module	Module Title
N/A	PCMMAP	NEMSPCM Welcome Screen
LA0058	SGN000M1	Electronic Signatures/Password Map
LA0079	SGN000P1	Electronic Signature Main Menu.
LA0058 LA0079	SGN003P1	Pending File For Gaining Custodian
LA0058 LA0079	SGN003P2	Pending File For Manager
LA0058	SGN003M2	Transactions Requiring Manager Approval
LA0058	SGN003M6	Update Multiple Record Options Map
LA0079	SGN005P1	Pending Transactions By Custodian
LA0079	SGN005P2	Rejected Pending Transactions By Custodian
LA0079	SGN005M3	Transactions Rejected For Custodian Account Map
LA0079	SGN005M4	Transactions Rejected For Custodian Account Map
LA0058	SGNC00S1	Signature Processing Routine
N/A	TABLE38	NEMS Table Update for Release Version 3.8
123(CI055)	TBL078H1	Table 078 - Custodian Account
123(CI055)	TBL090H1	Table 090 - User Number
KE0028	TBL621M3	Transaction Authorization Level Map
KE0028	TBL621P1	Transaction Number Table Update
126(CI057) 127(CI058)	TBLC69P1	PCM User Authority Table Update
126(CI057)	TBLC69P2	Create Additional Custodian Accounts Program
126(CI057)	TBLC69P3	Change Additional Custodian Accounts Program
KE0028 LA0058	TRNUPDP1	NEMS Update Transaction From The Pending File Records
LA0058	TRNUPDP7	Add History Record
LA0058	TRNUPDS1	NEMSPCM Display Equipment And Pending File
LA0058	TRNUPDS2	NEMSPCM Display Equipment And Pending File
LA0079	TRNC26P1	Change Transaction 26 (Custodian Account Change)
LA0079 KE0028	TRNC29P1	Change Transaction 29 (Equipment Location Change)
LA0079	TRNC30P1	Change Transaction 30 (Status Code Change)
LA0079 KE0028	TRNC31P1	Change Transaction 31 (User Number Change)
LA0079	TRNC38P1	Change Transaction 38 (Borrowed Out)
LA0079	TRNC39P1	Change Transaction 39 (Borrowed Out-Returned)
LA0079	TRNC40P1	Change Transaction 40 (Loan/Lease Out)
LA0079	TRNC41P1	Change Transaction 41 (Loaned/Leased Out-Returned)
LA0079	TRNC42P1	Change Transaction 42 (Loan Pool Out)

PCM (Library NEMSPCM) Continued

CCR #	Module	Module Title
LA0079	TRNC43P1	Change Transaction 43 (Loan Pool Out-Returned)
LA0079	TRNC44P1	Change Transaction 44 (Storage In)
LA0079	TRNC45P1	Change Transaction 45 (Storage In-Returned)
LA0079	TRNC50P1	Change Transaction 50 (Freeze Number Assignment)
LA0079	TRNC51P1	Change Transaction 51 (Freeze Number Removal)
LA0079	TRNC52P1	Change Transaction 52 (Excess Equipment Turn-In By Custodian)
LA0079	TRNC56P1	Change Transaction 56 (Repair Update Change)
LA0079 JJ0073	TRNC57P1	Change Transaction 57 (Off-Site For Repair).
LA0079	TRNC60P1	Change Transaction 60 (NASA Held Equipment Data Change)
LA0079	TRNC60P2	Change Transaction 60 (NASA Held Equipment Data Change)
NIE102	TRNC60P3	Change Transaction 60 (NASA Held Equipment Data Change)
KL0034 LA0079	TRNC65P1	Delete Transaction 65 (Transfer To Another NASA Installation)
KL0034 LA0079	TRNC66P1	Delete transaction 66 (Transfer To Other Government Agency)
KL0034 LA0079	TRNC67P1	Delete transaction 67 (Transfer Of GFE To A Contractor)
KL0034 LA0079	TRNC69P1	Delete transaction I69 (Leased In-Returned)
KL0034 LA0079	TRNC70P1	Delete transaction I70 (Loan In-Returned)
KL0034 LA0079	TRNC71P1	Delete Transaction 71 (Survey - Missing Equipment)
KL0034 LA0079	TRNC72P1	Delete Transaction 72 (Decontrol - Removal Of Tags)
KL0034 LA0079	TRNC73P1	Delete Transaction 73 (Deletes Resulting From Assembly/Disassembly)

3.4   DATA BASE ADMINISTRATION

3.4.1 <u>Release Dataset Names</u>

The following data sets are supplied with this release version. The allocation requirements are based on a 3380 disk drive, as indicated:

a.   AIMS.NEMS.PROD.REL38.REL0796. SRC

   (1)   Source code for programs modified in this release version. Unloaded in the NATUNLD format, these programs all have specific destination libraries, as shown in Section 3.3. All the NEMS programs have a destination of NEMS; NEMSINV programs have a destination of NEMSINV; and NEMSPCM programs have a destination of NEMSPCM.

   (2)   ORG: PS - DCB=(RECFM=VB,LRECL=4624,BLKSIZE=4628)

   (3)   3380 Tracks utilized: 95   Extents: 9

b.   AIMS.NEMS.PROD.REL38.REL0796.SRC.ALT

   (1)   Source code for programs modified in this release, in an alternate format. Unloaded in the NATUNLD format, these programs all have a destination library name of TESTNEMS. This configuration of the release file has been requested by some Installations.

   (2)   ORG: PS - DCB=(RECFM=VB,LRECL=4624,BLKSIZE=4628)

   (3)   3380 Tracks utilized: 95   Extents: 9

c.   AIMS.NEMS.PROD.REL38.REL0796.VDD

   (1)   This Version Description Document (VDD), in 80-column format.

   (2)   ORG: PS - DCB=(RECFM=VB,LRECL=100,BLKSIZE=6160)

   (3)   3380 Tracks utilized: 7   Extents: 1

d.   AIMS.NEMS.PROD.REL38.REL0796.TPP

(1)   The Test Plan and Procedures (TPP), in 80-column format.

(2)   ORG: PS - DCB=(RECFM=VB,LRECL=256,BLKSIZE=6233)

(3)   3380 Tracks utilized: 4   Extents: 1

3.4.2 Inventory of Objects

The object types and inventory listed below represent a comprehensive count of all software and data dictionary objects included with this release version.

NATURAL Objects by Type:

Programs	76
External Subroutines	3
Subprograms	1
Help Routines	2
Maps	7
Local Data Areas	0
Global Data Areas	0
Copy Code	0
Total Module Count	89

3.4.3 <u>Storage Considerations</u>

The changes represented by NEMS Release Version 3.8 should not affect storage requirements.

3.4.4 <u>Installation Procedures</u>

3.4.4.1   **File Changes and Additions**

This NEMS release version has no file additions.

3.4.4.2   **Installation Check List**

Prior to installation, use Network Data Mover (NDM) to retrieve the distribution files (see paragraph 3.4.1). Refer to "AIM Standard Operating Procedures for Centralized Distribution of AIM Application Releases" in AIM Program Guidance, Volume III, Section 4.2, for details on retrieving this data via NDM.

The following checklist contains the steps to install this release version in the Installation's Test Environment and conduct acceptance tests.

_____1.   Upload the revised programs to the NEMS, NEMSINV, and NEMSPCM libraries using either of the alternative procedures shown below. Backup existing libraries before installation of source code.

            a.   STANDARD METHOD:

            Use the NATURAL utility NATLOAD to upload the revised source programs from the file AIMS.NEMS.PROD.REL38.REL0796.SRC directly into their respective NEMS, NEMSINV, and NEMSPCM libraries.

            b.   TESTNEMS METHOD:

            Use the NATURAL utility NATLOAD to upload the revised programs from the file AIMS.NEMS.PROD.REL38.REL0796.SRC.ALT to the TESTNEMS library. Using the lists in Paragraph 3.3 as a guide, move the source code programs from TESTNEMS to the indicated NEMS, NEMSINV, and NEMSPCM libraries.

_____2.   Catalog the programs in the NEMS library, on-line or batch, using normal work and print file allocations for such a task. All of the NEMS programs should compile without errors with the exception of dynamic adhoc query programs. <u>The following PARMS are recommended for cataloging programs in all three libraries</u>:

PS = the maximum for your Installation
FS = ON
WORK = 30 or the maximum for your Installation

Programs MSD008P1 (Daily Transaction Extract Program) and MSD008P5 (Month to Date Extract Program) will not catalog. Error message 'NAT0027' will be displayed for each program. It must be cataloged. To do this, Line 2910 of the program must have the two ?? replaced with the Installation Account Number (INST-ACCT) of the receiving Installation. It should then catalog properly.

The following NEMS programs will not catalog, showing an '0890' error. All of these programs are NEMS adhoc programs with dynamic parameters that do not need to be compiled:

    ADH990P1, ADH990P2, ADH990P3
    ADH991P1, ADH991P2, ADH991P3
    ADH992P1, ADH992P2, ADH992P3, ADH992P4
    ADH993P1, ADH993P2, ADH993P3
    ADH994P1, ADH994P2, ADH994P3
    ADH995P1, ADH995P2, ADH995P3
    RPT955P2, RPT955P3, RPT955P4, RPT955P5
    RPT955P6, RPT955P7, RPT955P8, RPT955P9
    RPT955PA, RPT955PB, RPT955PC, RPT955PD

_____3.   Catalog programs in the NEMSINV library. All of the NEMSINV programs should compile without error.

_____4.   Update the Password to the NEMS-PCM-AUTH file in PCM programs. This step is optional if each Center chose not to put a password on the NEMS-PCM-AUTH file.

    a.   Find out from your DBA the ADABAS Security password assigned to the NEMS-PCM-AUTH file at your Installation.

b.   Logon to the NEMSPCM and use the SCAN utility to search the NEMSPCM programs for the word:

PASSWORD='HQPCM'

and replace it with:

PASSWORD='XXXXXXXX'

where 'XXXXXXXX' is your Installation's unique password to the NEMS-PCM-AUTH file from step 4a above. This scan and replace will change all references to the password (HQPCM), found in the newly released NEMS Release Version 3.8 modules, with your Installation's password.

Catalog all of the NEMSPCM programs setting PAGE SIZE Global parameter to allow for Work Files 01 through 14 and for Printers 01 through 06. Catalog programs in the NEMSPCM library. All of the NEMSPCM programs should compile without error.

____5.   Execute the NEMS program 'TABLE38', on-line or batch. The batch process does not use any work files. Both options print a report on its actions. Appendix D shows the expected output of this report.

____6.   Update the NEMS documentation. Refer to the Documentation Update Instructions, Appendix C.

____7.   Notify NASA Headquarters when NEMS Release Version 3.8 is installed.

3.5   OPERATIONAL PREPARATION

Refer to the procedure described in section 3.4.4 above for assistance in preparing for proper installation and operational use of this release version.

4.0 <u>**NOTES**</u>

5.0 <u>APPENDICES</u>

1. APPENDIX A contains a List of ACRONYMS and ABBREVIATIONS.

2. APPENDIX B contains FUNCTIONAL CHANGE VALIDATION PROCEDURES.

3. APPENDIX C contains NEMS DOCUMENT UPGRADE information.

4. APPENDIX D contains EXPECTED OUTPUT FROM TABLE UPDATE PROGRAM.

APPENDIX A - ACRONYMS and ABBREVIATIONS

AIM	Automated Information Management
CCR	Change Control Request
CDB	Central Data Base
DR	Discrepancy Report
ECN	Equipment Control Number
ERN	Entry Reference Number
HQ	NASA Headquarters
NASA	National Aeronautics and Space Administration
NDM	Network Data Mover
NEMS	NASA Equipment Management System
NEMSINV	NEMS Inventory Module
NEMSPCM	NEMS Property Custodian Module
NPDMS	NASA Property Disposal Management System
VDD	Version Description Document

APPENDIX B - FUNCTIONAL CHANGE VALIDATION PROCEDURES

To validate the functional changes, use the test cases provided in NEMS Test Plan and Procedures, AIM-NEMS38-TPP-09, dated July 1996.

APPENDIX C - NEMS DOCUMENT UPGRADE

NEMS User Guide:

1.   Replace the cover and spine.

2.   Insert List of Changes page.

3.   Insert and add page replacements as follows:

>   Replace page 4-153 (Transaction 46 - Capital/Sensitive Code and
>   and National Stock No. Change)
>   Replace page 4-154
>   Replace page 4-155

NEMS Specification Book 1:

1.   Replace the cover and spine.

2.   Insert List of Changes page.

3.   Insert and add page replacements as follows:

>   Replace page NSE.42 (Transaction 46 - Capital/Sensitive Code and
>   and NSN Change)

NEMS Inventory Users Guide:

1.   Replace the cover and spine.

2.   Insert List of Changes page.

3.   Insert and add page replacements as follows:

>   Add page 7.16.1 (Inventory Report 755 Selection Criteria Screen)
>   Add page 7.16.2

NEMS Inventory Operations Guide:

1.   Replace the cover and spine.

2.   Insert List of Changes page.

3.   Insert and add page replacements as follows:

Appendix A
        Replace page A1.13

NEMS Inventory Specification Book 1:

1.   Replace the cover and spine.

2.   Insert List of Changes page.

3.   Insert and add page replacements as follows:

        Replace pages IRD.1 thru IRD.3 (Report Directory (By Number))
        Add page IRD.3.1
        Add page IRL.10.1 (Report 775, Items Held For Sub Account Report)
        Add page IRL.10.2
        Replace page ISC.30 (Inventory On-Request Selection Screen)
        Add page ISC.35.1 (Inventory Report 755 Selection Criteria Screen)
        Replace pages IRM.1 thru IRM.11 (Inventory Report Matrix)

NEMS PCM User and Operations Guide:

1.   Replace the cover and spine.

2.   Insert List of Changes page.

3.   Insert revised Table of Contents (pages i - vii).

4.   Insert and add page replacements as follows:

        Replace pages 4-13 thru 4-17 (Section 4.2, Electronic Signatures)
        Replace page 4-50
        Replace page 4-51 (4.2.4.1.2 Display Screen)
        Replace page 4-54
        Replace page 4-55
        Replace page 4-78 (4.2.5 Transactions Which Have Been Rejected)
        Replace pages 4-79 thru 4-80 (4.2.5.2 Display Screen)
        Add page 4-80.1 (4.2.6 Transactions Awaiting Other

Acceptance/Approval)
Add pages 4-80.2 thru 4-80.3 (4.2.6.2 Display Screen)
Replace page 4-97 (4.3.3 Transactions C29 - Location Change)
Replace page 4-104 (4.3.5 Transactions C31 - User Number Change)

NEMS PCM Detail Design Specifications:

1. Replace the cover and spine.

2. Insert List of Changes page.

3. Insert revised Table of Contents (pages i - ix).

4. Insert and add page replacements as follows:

Replace page 2-7 (2.5.3.1 Electronic Signatures (SGN000M1))
Add page 2-7.1
Replace page 2-18 (2.5.3.12 Transaction Requiring Manager Approval
(SGN003M2))
Add page 2-18.1
Add page 2-26.1 (2.5.3.21 Pop-up Screen for Updating Multiple Pending
File Records)
Add page 2-26.2 (2.5.3.22 Pending Transactions By ECN For Custodian
ACCT (SGN005M1))
Add page 2-26.3 (2.5.3.23 Transactions Rejected For Custodian ACCT
(SGN005M3))
Replace page 2-33 (2.6.3.6 Equipment Location Change (TRNC29M1))
Replace page 2-35 (2.6.3.8 User Number Change (TRNC31M1))

APPENDIX D - EXPECTED OUTPUT From Table Update Program

```
REPORT NO: TABLEUPD     NATIONAL AERONAUTICS AND SPACE ADMINISTRATION     PAGE:  1
                   NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: 05/28/96
                        NASA HEADQUARTERS                    TIME: 16:29:01
                  NEMS VERSION 3.8 TABLE UPDATES
** S02/S07 DELETE    **************************************************************************************
-- S02/S07 ADD -------------------------------------------------------------------
                    TABLE NO:  S02
      ERROR MESSAGE NO:  179
           ERROR MESSAGE:  ERROR 179 - EQUIPMENT LEASED IN, ONLY THE NSN CAN BE CHANGED
** S09  DELETE    ****************************************************************************************
 -- S09   ADD -------------------------------------------------------------------
                    TABLE NO:  S09
             REPORT-NO:  755
           T-REPORT-NAME:  ITEMS HELD FOR SUB ACCOUNT REPORT
        T-REPORT-OPTIONS:  Y
```